(19) World Intellectual Property Organization

International Bureau





(43) International Publication Date 12 May 2005 (12.05.2005)

PCT

(10) International Publication Number WO 2005/043880 A1

(51) International Patent Classification⁷:

H04M 19/08

(21) International Application Number:

PCT/GB2004/003824

(22) International Filing Date:

8 September 2004 (08.09.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

0322894.7

30 September 2003 (30.09.2003) GB

(71) Applicant (for all designated States except US): BRITISH
TELECOMMUNICATIONS PUBLIC LIMITED
COMPANY [GB/GB]; 81 Newgate Street, London,
Greater London EC1A 7AJ (GB).

(72) Inventor; and

(75) Inventor/Applicant (for US only): COOK, John, Wolsey [GB/GB]; 625 Felixstowe Road, Ipswich, Suffolk IP3 8SZ (GB).

(74) Agent: NASH, Roger, William; PP: C5A, Bt Centre, 81 Newgate Street, London, Greater London EC1A 7AJ (GB). (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

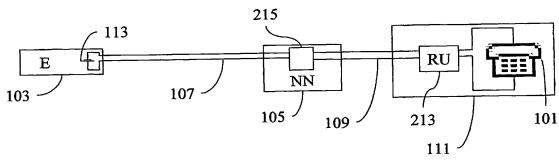
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: SUBSCRIBER'S SIDE POWERED TELEPHONY SYSTEM



(57) Abstract: A system for and a method of providing a telephony service is disclosed. Supplying power to a node in a telecommunications network from a subscriber's premises conflicts with the plain old telephone service POTS. Until the advent of the present invention it was thought that supplying power in this way required either an additional electrical transmission wire or providing voice support within a digital subscriber line (DSL) service. In the proposed system telephony control signals, as supplied by an exchange (103) on to a first section (107) of an electrical transmission line, are converted into modified downstream control signals having a different frequency to electrical power, which is supplied onto a second section (109) of the electrical transmission line, and electrical equipment in a node that interconnects the first and second sections can draw electrical power supplied by the power supply without affecting the operation of a telephone (101).

